Amendments to the claims

1. (Currently Amended) An illuminating device comprising a white light source, and an auxiliary light source emitting light having a wavelength component which is considered to be insufficient from the viewpoint of color reproduction in the white light source, wherein

the white light source and the auxiliary light source are arranged such that their respective optical axes cross each other, and

light mixing means for mixing light from said white light source and light from said auxiliary light source and emitting the mixed light ~~lights~~ is provided at the position where the optical axes cross each other, wherein

said auxiliary light source has a solid-state light source emitting parallel light arranged therein, and

an optical integrator for preventing the light emitted from the solid-state light source from being introduced in a nonuniform state onto an object to be illuminated is provided on the light exit side of said light mixing means, and disposed on an axis of the mixed light.

2. (Cancelled)

3. (Currently Amended) An illuminating device comprising a white light source having a concave reflecting element, and an auxiliary light source emitting light having a wavelength component which is considered to be insufficient from the viewpoint of color reproduction in the white light source, wherein

used as the auxiliary light source is one emitting only red light in a predetermined wavelength range,

the auxiliary light source includes a plurality of solid-state light sources respectively emitting parallel light, the plurality of solid-state light sources [[is]] arranged substantially along an opening edge of the concave reflecting element ~~around a light emission area of said white light source~~, and

there is provided an optical integrator for preventing the light ~~lights~~ respectively emitted from the light sources from being introduced in a nonuniform state onto an object to be illuminated, wherein

~~said auxiliary light source has a plurality of solid-state light sources respectively emitting parallel light arranged therein,~~

a pair of fly's eye lenses is provided as said optical integrator, and

each of the solid-state light sources and each of lenses composing the pair of fly's eye lenses are arranged in correspondence with each other.

4. (Currently Amended) An illuminating device comprising a white light source, and an auxiliary light source emitting light having a wavelength component which is considered to be insufficient from the viewpoint of color reproduction in the white light source, wherein

said white light source has a square light emitter by restricting a round light emitter using a shading plate,

said auxiliary light source is arranged on said shading plate, and

there is provided an optical integrator for preventing the light ~~lights~~ respectively emitted from the light sources from being introduced in a nonuniform state onto an object to be illuminated.

5. (Previously Presented) The illuminating device according to claim 1, wherein

a pair of fly's eye lenses is provided as said optical integrator, and

each of the solid-state light sources and each of lenses composing the pair of fly's eye lenses are arranged in correspondence with each other.

6. (Cancelled)

7. (Currently Amended) The illuminating device according to claim 4, wherein

said auxiliary light source has a plurality of solid-state light sources respectively emitting parallel light ~~lights~~ arranged therein,

a pair of fly's eye lenses is provided as said optical integrator, and

each of the solid-state light sources and each of lenses composing the pair of fly's eye lenses correspond to each other.

8. (Previously Presented) An illuminating device comprising a white light source comprising a concave reflecting element, a light emitting point of said white light source being located in a concave portion of the concave reflecting element, and an auxiliary light source emitting light having a wavelength component which is considered to be insufficient from the viewpoint of color reproduction in the white light source, wherein

the light emitted from said auxiliary light source is condensed in the concave portion of the concave reflecting element and in the vicinity of the light emitting point of said white light

source.

9. (Previously Presented) An illuminating device comprising a white light source, and an auxiliary light source emitting light having a wavelength component which is considered to be insufficient from the viewpoint of color reproduction in the white light source, wherein

light emitted from said white light source is condensed at a predetermined position, and the light emitted from the auxiliary light source is also condensed at said predetermined position, and

a light incidence surface of a rod prism which is an optical integrator is located at the predetermined position, wherein

the aspect ratio of the light incidence surface of the rod prism and that of a light emission surface of the rod prism are substantially the same as the aspect ratio of an object to be illuminated.

10. (Original) The illuminating device according to claim 8, wherein

said auxiliary light source has a plurality of solid-state light sources arranged therein, and each of the solid-state light sources has a condenser element.

11. (Original) The illuminating device according to claim 9, wherein

said auxiliary light source has a plurality of solid-state light sources arranged therein, and each of the solid-state light sources has a condenser element.

12. (Currently Amended) An illuminating device comprising:

a first light source and a second light source respectively emitting nearly parallel light ~~lights~~, the light from the first light source being emitted in a direction different from the light from the second light source,

an optical member having a first optical element for introducing the light emitted from said first light source in a particular direction and a second optical element for introducing the light emitted from the second light source in a direction parallel to said particular direction alternately arranged therein,

a white light source being provided as said first light source, and

an auxiliary light source emitting light having a wavelength component which is considered to be insufficient from the viewpoint of color reproduction in said white light source being provided as said second light source.

13. (Currently Amended) An illuminating device comprising:

a first light source emitting nearly parallel light ~~lights~~,

an optical member having a plurality of optical elements disposed with spaces therebetween for respectively introducing the light ~~lights~~ emitted from said first light source in a direction,

a second group of light sources respectively arranged in the spaces, and respectively emitting nearly parallel light ~~lights~~ in the direction,

a white light source being provided as said first light source, and

an auxiliary light source emitting light having a wavelength component which is considered to be insufficient from the viewpoint of color reproduction in said white light source being provided as said second group of light sources.

14. (Currently Amended) The illuminating device according to claim 12, wherein said auxiliary light source has a plurality of solid-state light sources respectively emitting nearly parallel light ~~lights~~ arranged therein.

15. (Currently Amended) The illuminating device according to claim 13, wherein said auxiliary light source has a plurality of solid-state light sources respectively emitting nearly parallel light ~~lights~~ arranged therein.

16. (Currently Amended) In the illuminating device according to any one of claims 3, 5, 7, 10, 11, 14, and 15, an illuminating device wherein

there are provided as said solid-state light sources solid-state light sources respectively emitting light ~~lights~~ having different wavelengths, and

there is provided means for driving each of the solid-state light sources to selectively emit the light.

17. (Previously Presented) In a projection type video display apparatus that modulates light emitted from an illuminating device using a light valve and projects the modulated light,

a projection type video display apparatus comprising as said illuminating device the illuminating device according to any one of claims 1, 3-5 and 7-15.

18. (Original) In a projection type video display apparatus that modulates light emitted from an illuminating device using a light valve and projects the modulated light,

a projection type video display apparatus comprising as said illuminating device the illuminating device according to claim 16.